1056-J1-1584   **Agnes M Rash*** (`arash@sju.edu`), Dr. Agnes M. Rash, Mathematics Department, Saint Joseph's Univeristy, Philadelphia, PA 19131. *The Whole Truth about Whole Numbers.* Preliminary report.

Mathematics requirements for the liberal arts students vary from one institution to another. The new curriculum at Saint Joseph's University requires all students to satisfy a "mathematics beauty" course requirement. Mathematics beauty courses emphasize analytical reasoning, logical argument, pattern analysis, the role of conjecture and the art and meaning of proof. Several of the faculty members have engaged in creating new courses to fulfill this requirement.

The Whole Truth about Whole Numbers is one of the newly developed courses. Topics from Number Theory that are accessible to nonmathematics and nonscience majors are used to fulfill the new requirement. The course was designed in the summer of 2009 by the author with the assistance of a senior mathematics major and is being taught in a pilot program in Fall 2009.

This talk will discuss the topics included in the course, the learning objectives, the delivery of the course content, and course outcomes including assessment of student learning and attitudes. (Received September 22, 2009)